PROJECT TITLE : LAUNDRYMAN

PERIOD COVERED : OCTOBER 15 - NOVEMBER 15, 1981

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Previous reports (1) on CO-reduction in MS and SS smoke by salt casings were reassessed using the most recently modified apparatus.

Preliminary results confirmed that CO-reductions had taken place (Table 1).

In order to improve the sample homogeneity, larger scale sprayings have been initiated using selected salts. 1.5 kg of tobacco were sprayed with a 5% NaCl solution in a rotary applicator. The observed reductions were comparable with those reported in Table 1 and are as follows :

MS per cig. - 17%, MS per g. tob. - 18%, MS per puff - 19%
SS per cig. - 32%, SS per g. tob. - 32%, puff no. + 13%.

REFERENCE

(1) Piadé-J.J., PME Monthly Progress Reports September and October 1981.

JJP/jig/NOVEMBER 30, 1981

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Source: https://www.industrydocuments.ucsf.edu/docs/nfxk0000

TABLE I : Percent of CO-Reduction as a Function of Salt Addition

	MS			SS		puff count
	Δ % per cig.	Δ % per g.tob	Δ % per puff	Δ % per cig.	Δ % per g.tob.	Δ %
5% Na Cl	-15	-16	-16	-22	-23	+08
5% K Cl	same	-	-	+13	+10	+10
5% NaH CO_3	-03	-07	-03	-15	-19	-3
5% KH CO_3	-10	-12	-10	same	-	-
5% Na_2 CO_3	-22	-23	-24	-37	-38	+10%
5% K_2 CO_3	-12	-13	-11	same	-	-06
5% Na Ascorbate	-08	-12	-08	same	-	same
5% Na_3 Citrate	-18	-19	-18	-31	-32	same
5% K_3 Citrate	same	-	-	-09	-10	same
2% NH_4 Cl	-08	-06	-15	-15	-13	+06

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